

## BLDG67 直驱电动滚筒 BLDG67 Drum Motor



### ■ 产品概述 Product Description

此款电动滚筒为特殊设计，内部不带齿轮减速机，利用外转子电机原理将电机的驱动与滚筒合为一体。滚筒的转动由内置的电机直接驱动，滚筒的筒体即为电机的转子，通过对内部永磁电机的优化设计，使其满足客户的大转矩、高转速、高响应速度等需求，实现了高效率直驱。

This electric drum is specially designed. It does not have a gear reduction mechanism inside. It uses the principle of the outer rotor motor to integrate the drive of the motor with the drum. The rotation of the drum is directly driven by the built-in motor. The cylinder of the drum is the rotor drive of the motor. Through the optimized design of the internal permanent magnet motor, it meets the customer's demand for high torque, high speed, high response speed, etc., achieving high efficiency direct drive.

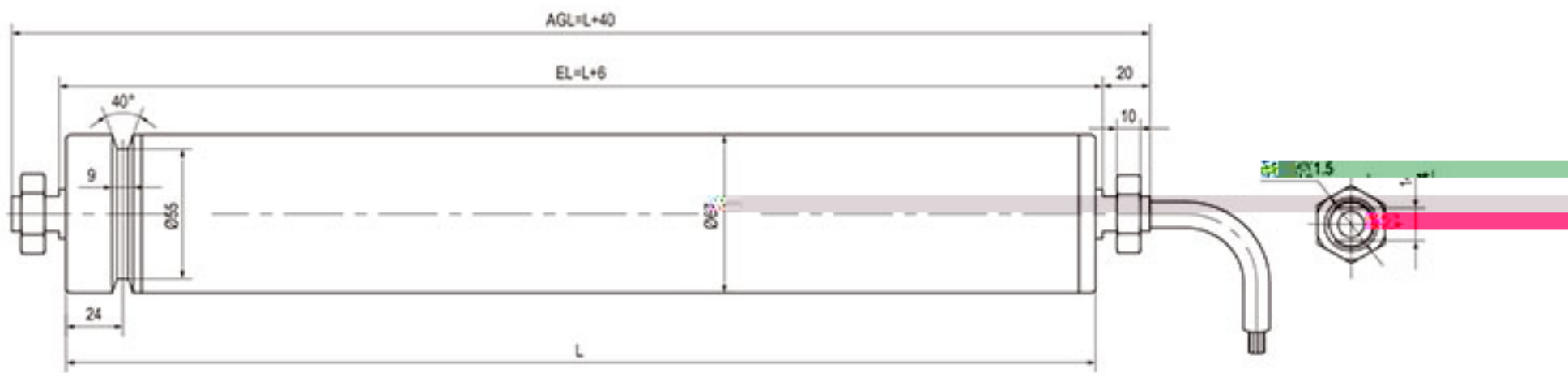
- 物流高速分拣线
- Logistics high speed sorting line

### ■ 直驱电动滚筒性能参数

● 外径 67mm 适用于 48VDC External diameter 67mm drum motor (DC Power Supply when Applied to 48VDC)

项目 Item	单位 Units	参数 Parameters
额定电压 Rated voltage (U)	V	DC48
额定功率 Rated power (P)	W	400
额定电流 Rated current (I)	A	11
额定转速 Rated speed (n)	rpm	900
额定转矩 Rated torque (T)	N.m	4.2
额定线速度 Rated line speed (V)	m/min	189
空载电流 No-load current (I)	A	≤ 0.8
空载转速 No-load speed (n)	rpm	1100
筒体最短长度 Minimum length of the cylinder (L)	mm	280
绝缘等级 Insulation grade	-	B
防护等级 Protection level	-	IP44
工作制 Work system	-	S1
绝缘电阻 Insulation resistance	MΩ	>50
电气强度 Electrical strength	V/S	700
使用环境温度 Ambient temperature	°C	-20~40
湿度 Humidity	-	相对湿度 90% 以下 Relative humidity below 90%

■ BLDG67 尺寸图 BLDG67 Outlining Dimensions



■ 应用场景 Application Scenarios

交叉带小车模组和 AGV 皮带模组都需要皮带的准确控制与运行。直驱型外转子电动滚筒有带刷滚筒和无刷滚筒两种可供选择，满足不同客户的需求。

Both the cross belt small vehicle module and AGV belt module require the accurate control and operation of the belt. The direct drive type external rotor electric drum is available with or without brush and sensorless drum to meet the needs of different customers.